Connectivity Suite

For managing and securing your network infrastructure
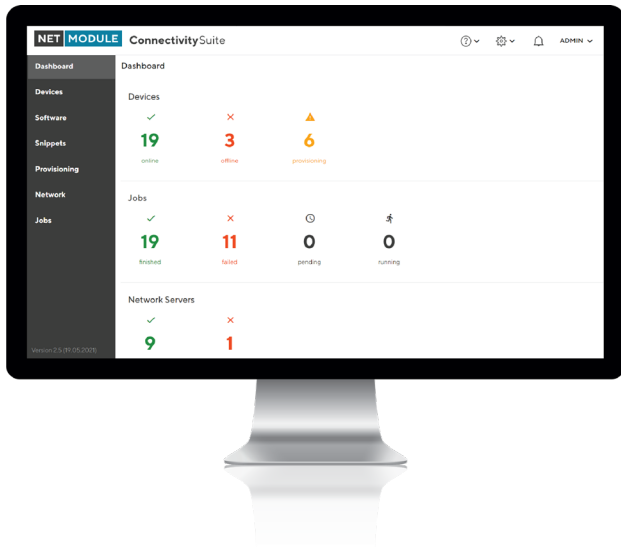
Key Features

Automatic setup of a VPN infrastructure

Over-the-air remote updates and configurations

Remote access to connected devices

On-premise installation

REST API for M2M communication

Product Description

The lean remote management system to build your private network infrastructure and maintain NetModule devices.

Secure your network
The Connectivity Suite allows the user to logically group devices based on networks. The grouping of devices here enables hierarchical access control. This allows devices to be grouped by customers, regions, teams, etc., and for users such as service technicians, access rights can be restricted to specific groups.

The Connectivity Suite also enables the automated set-up of a VPN infrastructure for end-to-end encryption without the need for user interaction. This means that even IT network managers without OpenVPN knowledge can set up and operate secure communication network with just a few clicks.

The Connectivity Suite can be installed and operated on-site on your own servers (on-premise). This allows you to retain control of the data and ensure IT compliance. However, installation in a cloud environment is also possible.

Reduce the management effort of your network
Automated and scheduled over-the-air updates and configurations for device fleets are possible with a minimum of effort. This ensures a scalable network and efficient device management.

In support or maintenance cases, direct remote access to the installed devices is possible. With a few clicks, the service technician can connect to the connected devices. The remote maintenance situation is for the service technician as if he were on site.

Using the REST API, the functionality of the Connectivity Suite can be accessed via M2M communication interface to integrate it into your IoT platform.
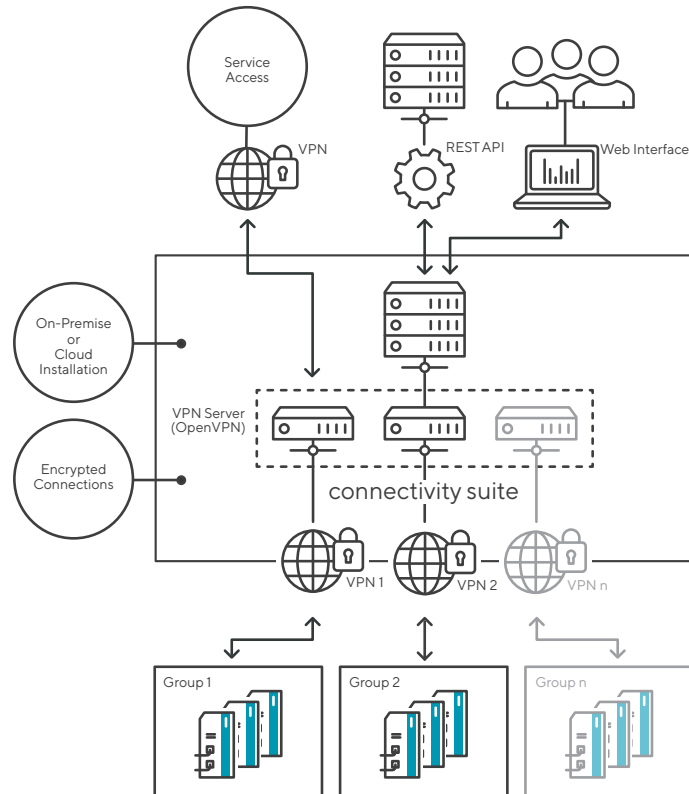
Features

Security features

Hierarchical access control to different groups based on user role

Logical separation of devices based on subnetworks

On-premise installation

Automated end-to-end encryption based on OpenVPN

Separation of VPN connections

Management features

Assign units to subnetworks

Remotely add, disconnect or manage units

Firmware Over-The-Air

Configuration Over-The-Air

Scheduling updates

Edit and export configurations

Historicising configuration changes

Replacing devices in the network

Remote access to devices behind the connected router

Minimum system requirements

Server: Physical or virtual server, either hosted by the company or by an IAAS (Infrastructure as a Service) provider

Operating system: Ubuntu 20, Debian 10

CPU: 2 cores each running at 2.5 GHz

RAM: 16 GB

Disk space: 120 GB

Interfaces

HMI communication interface based on a https web interface

M2M communication interface based on a REST API

Supported devices

NB8xx

NB1xxx

NB2xxx

NB3xxx

ES3300

Order information

Connectivity Suite with VPN, annual license for ≤ 20 devices
Order number: CS_20_Lic

Connectivity Suite with VPN, annual license for ≤ 50 devices
Order number: CS_50_Lic

Connectivity Suite with VPN, annual license for ≤ 100 devices
Order number: CS_100_Lic

Connectivity Suite with VPN, annual license for ≤ 200 devices
Order number: CS_200_Lic

Connectivity Suite with VPN, annual license for ≤ 300 devices
Order number: CS_300_Lic

Connectivity Suite with VPN, annual license for ≤ 400 devices
Order number: CS_400_Lic

Connectivity Suite with VPN, annual license for ≤ 500 devices
Order number: CS_500_Lic

Connectivity Suite with VPN, annual license for ≤ 600 devices
Order number: CS_600_Lic

Connectivity Suite with VPN, annual license for ≤ 700 devices
Order number: CS_700_Lic

Connectivity Suite with VPN, annual license for ≤ 800 devices
Order number: CS_800_Lic

Connectivity Suite with VPN, annual license for ≤ 900 devices
Order number: CS_900_Lic

Connectivity Suite with VPN, annual license for ≤ 1000 devices
Order number: CS_1000_Lic